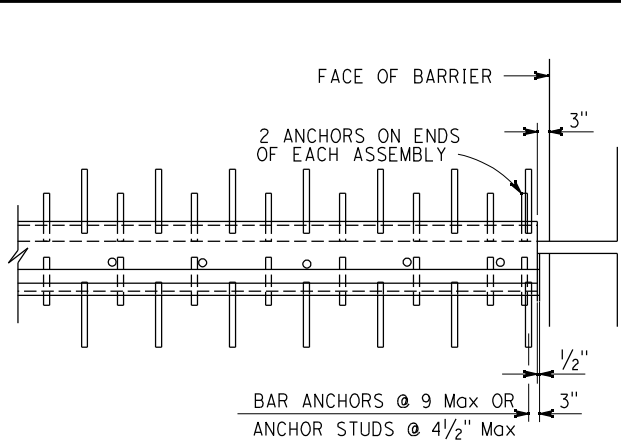
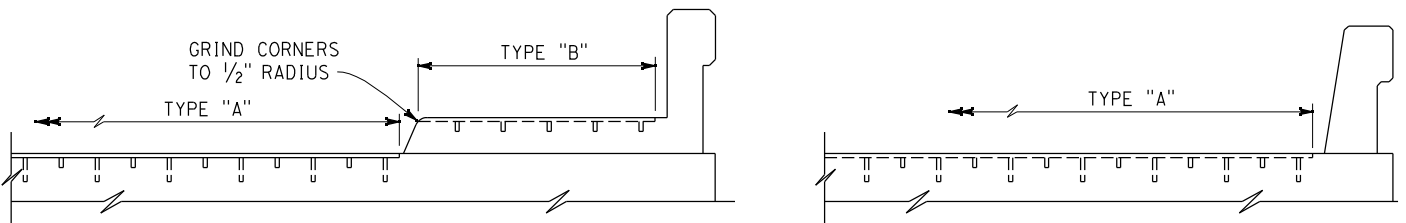


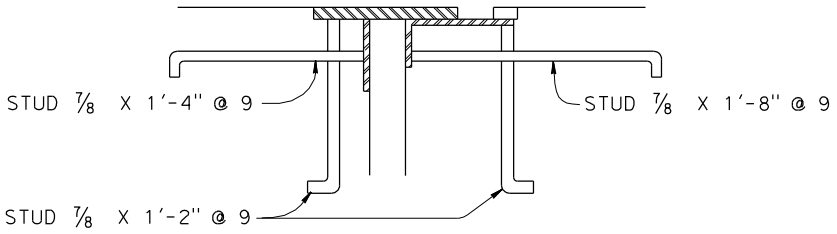
**PART PLAN EXPANSION ARMOR NORMAL TO GIRDER**  
1/2" = 1'-0"



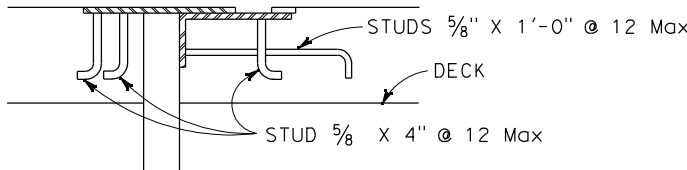
**PART PLAN EXPANSION ARMOR SKEWED TO GIRDER**  
1/2" = 1'-0"



**TYPICAL SECTION**  
1/2" = 1'-0"



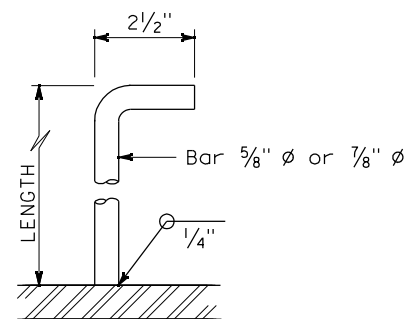
**TYPE A**



**TYPE B**

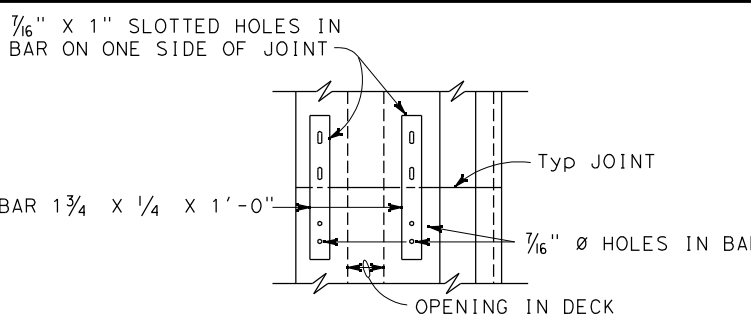
NOTE:  
For details not shown, see "DETAIL WITH BAR ANCHORS"

**DETAIL WITH ANCHOR STUDS**  
1/2" = 1'-0"

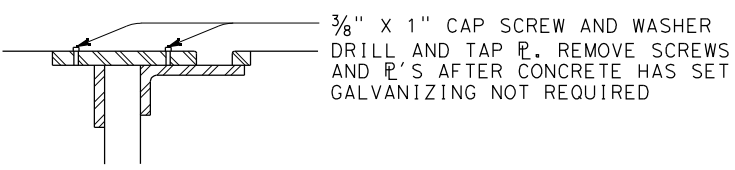


**ANCHOR STUD**  
5" = 1'-0"

NOTE:  
Alternate types of anchor studs may be permitted  
subject to the approval of the Engineer

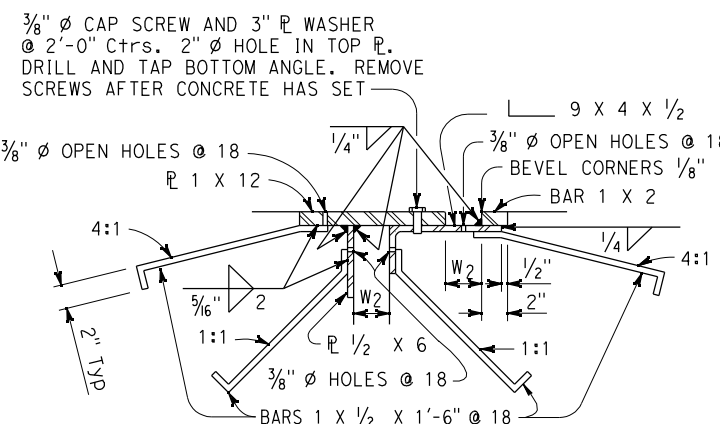


**PLAN**

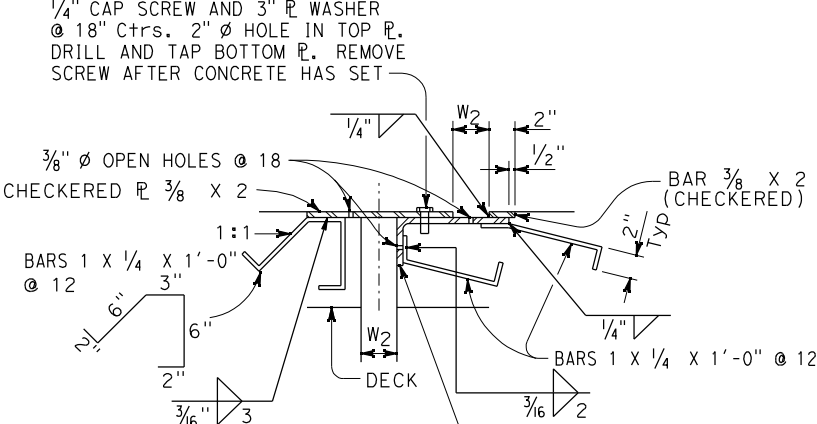


**SECTION**

**TYPICAL JOINT DETAILS**  
1 1/2" = 1'-0"



**TYPE A**



**TYPE B**

W<sub>2</sub> = 1" AT MAXIMUM TEMPERATURE NORMAL TO JOINT.  
EXACT WIDTH TO BE DETERMINED BY THE ENGINEER

**DETAIL WITH BAR ANCHORS**  
1 1/2" = 1'-0"

- NOTES:
1. Full penetration butt welds may be substituted for the fillet welds on all anchor studs
  2. Expansion armor assembly to be galvanized after fabrication except as noted
  3. Expansion armor assembly to be fabricated in 14' Max lengths
  4. Use joint at crown of roadway, at any change in transverse slope of deck and at edge of lane
  5. Quantities shown are for design purpose only

UNIT TYPE	ASSEMBLY WT LBS/LF	
A	Bar Anchor	Stud Anchor
B	91	102
	45	45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

REGISTERED CIVIL ENGINEER X DATE

PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER  
No. X  
Exp. X  
CIVIL  
STATE OF CALIFORNIA

STANDARD DRAWING
FILE NO. <b>xs8-040</b>
APPROVAL DATE July 2011

BRIDGE NO. X
POST MILE X

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
---

DIVISION OF ENGINEERING SERVICES
----------------------------------

BRIDGE NO. X
POST MILE X

<b>JOINT ARMOR - EXPANSION DETAILS</b>
<b>MAXIMUM MOVEMENT RATING = 4"</b>